

Figure 1

Scheme of immunization

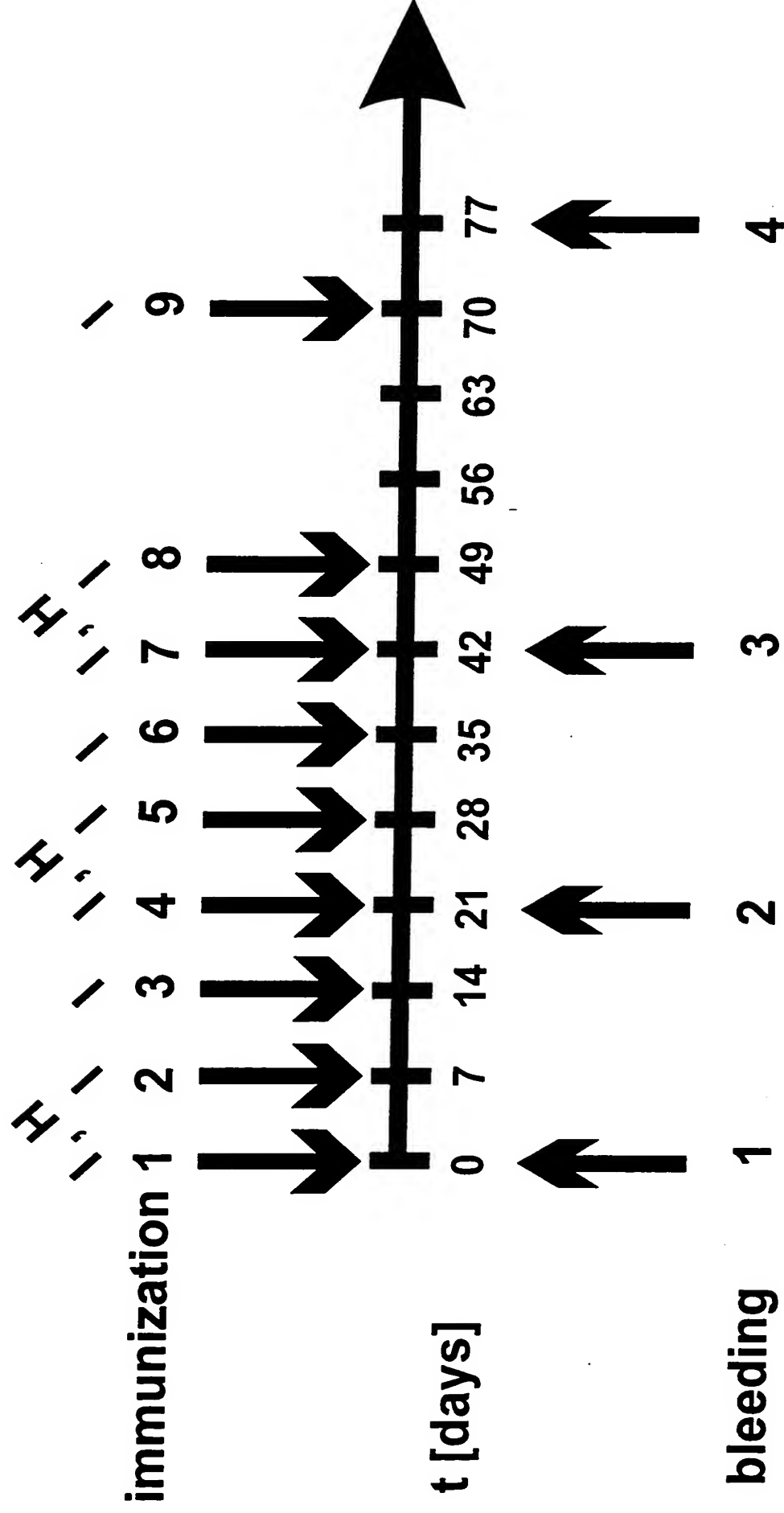


Figure 2

Stability of recombinant Bet v 1 fragments and Bet v 1 trimer

Study design

Test method: SDS-PAGE (Ph. Eur. Suppl. 2000, 2.2.31.)

Test temperatures (°C), duration (days = d), conditions (solution): see below

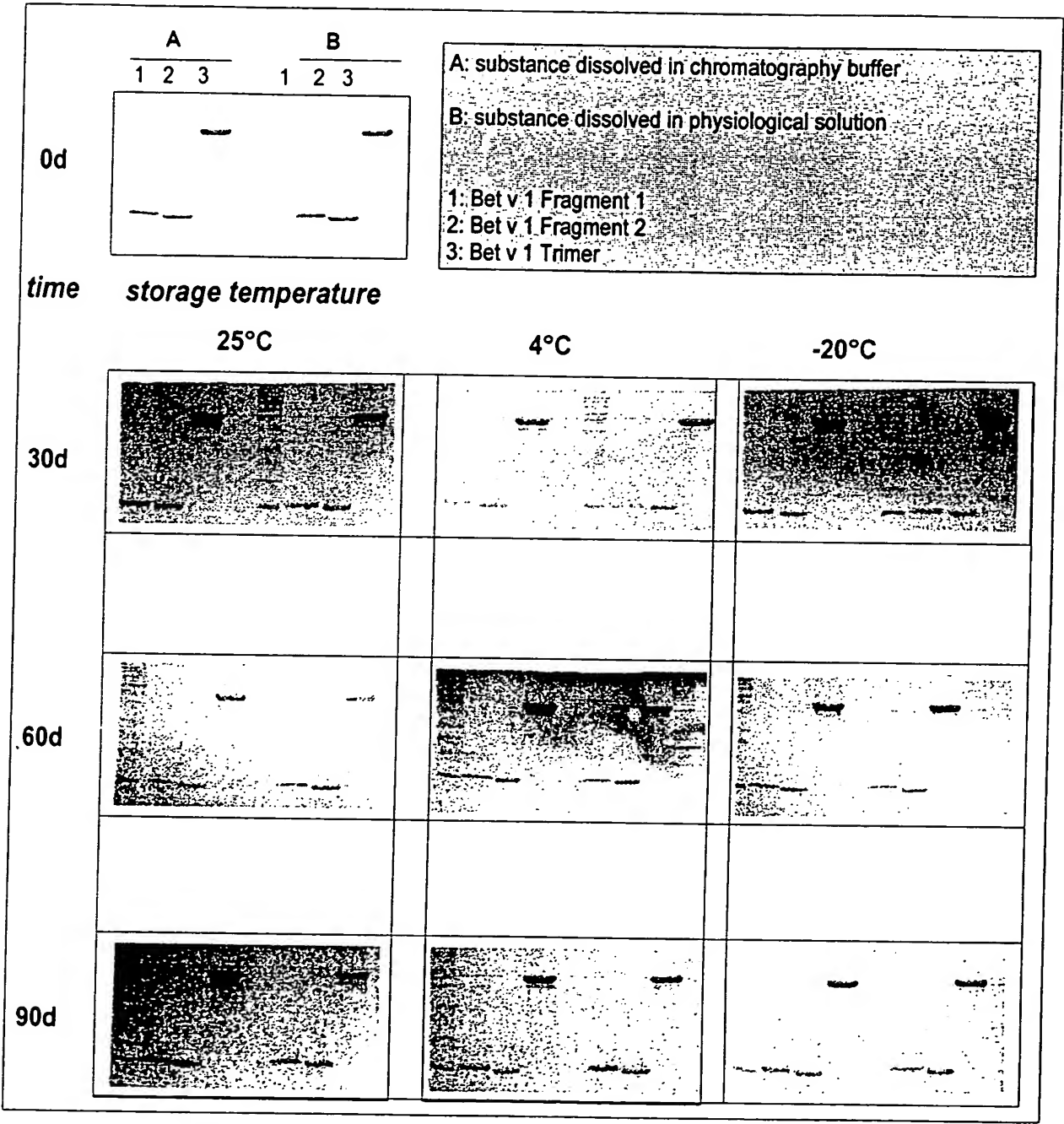


Figure 3a

IgG₁-ELISA

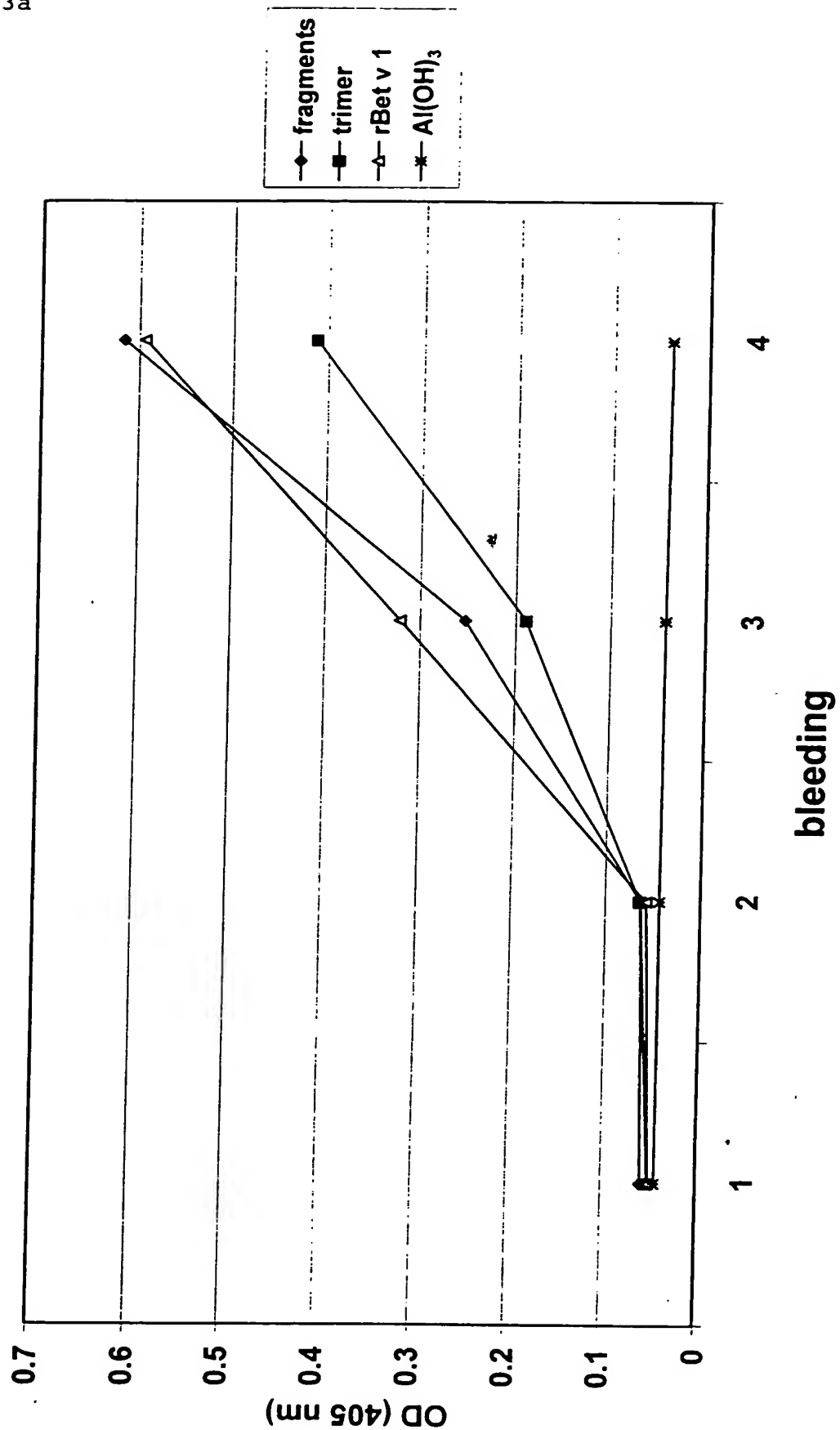


Figure 3b

FOOTNOTES

IgG_{2a/b}-ELISA

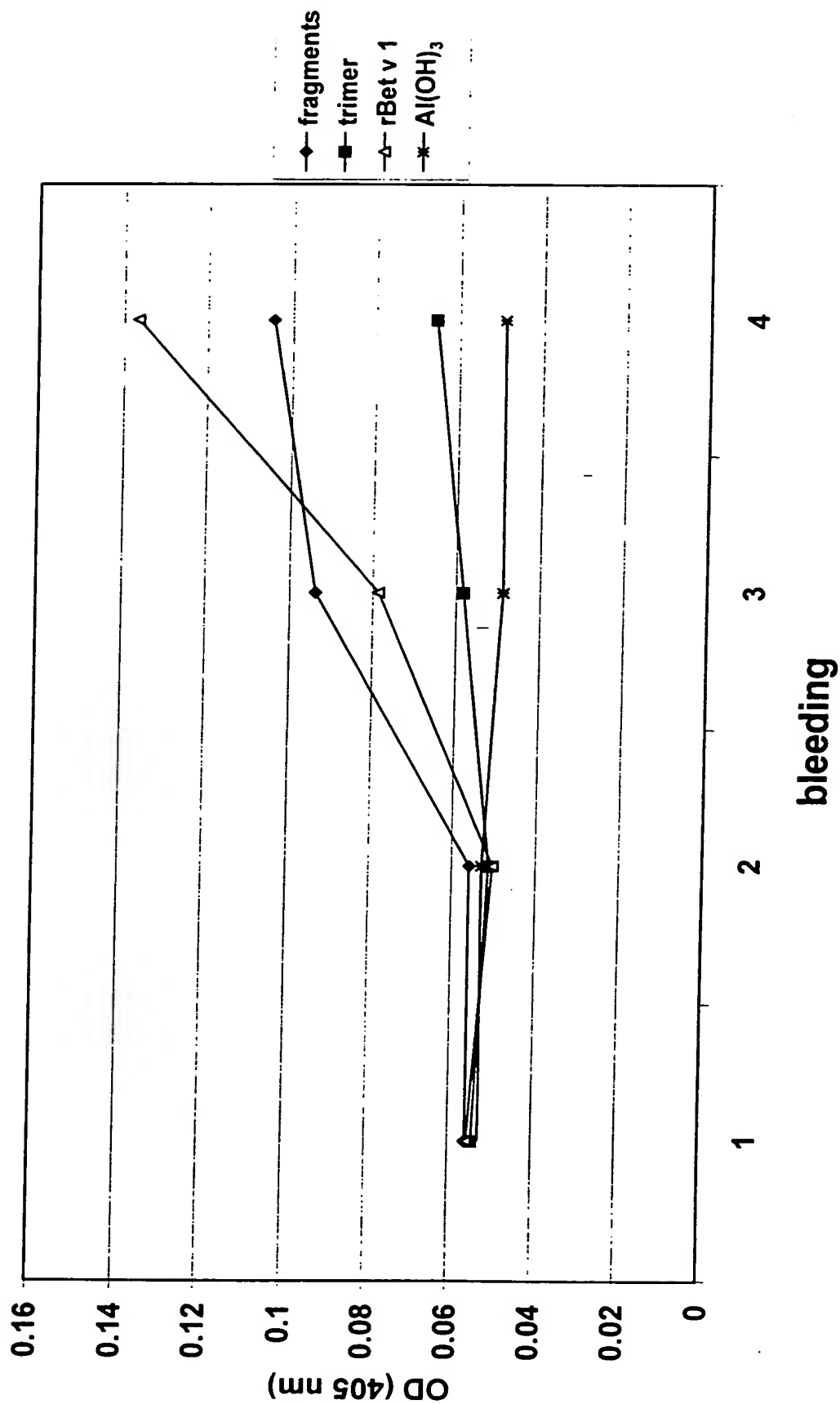


Figure 3c

IgE-ELISA

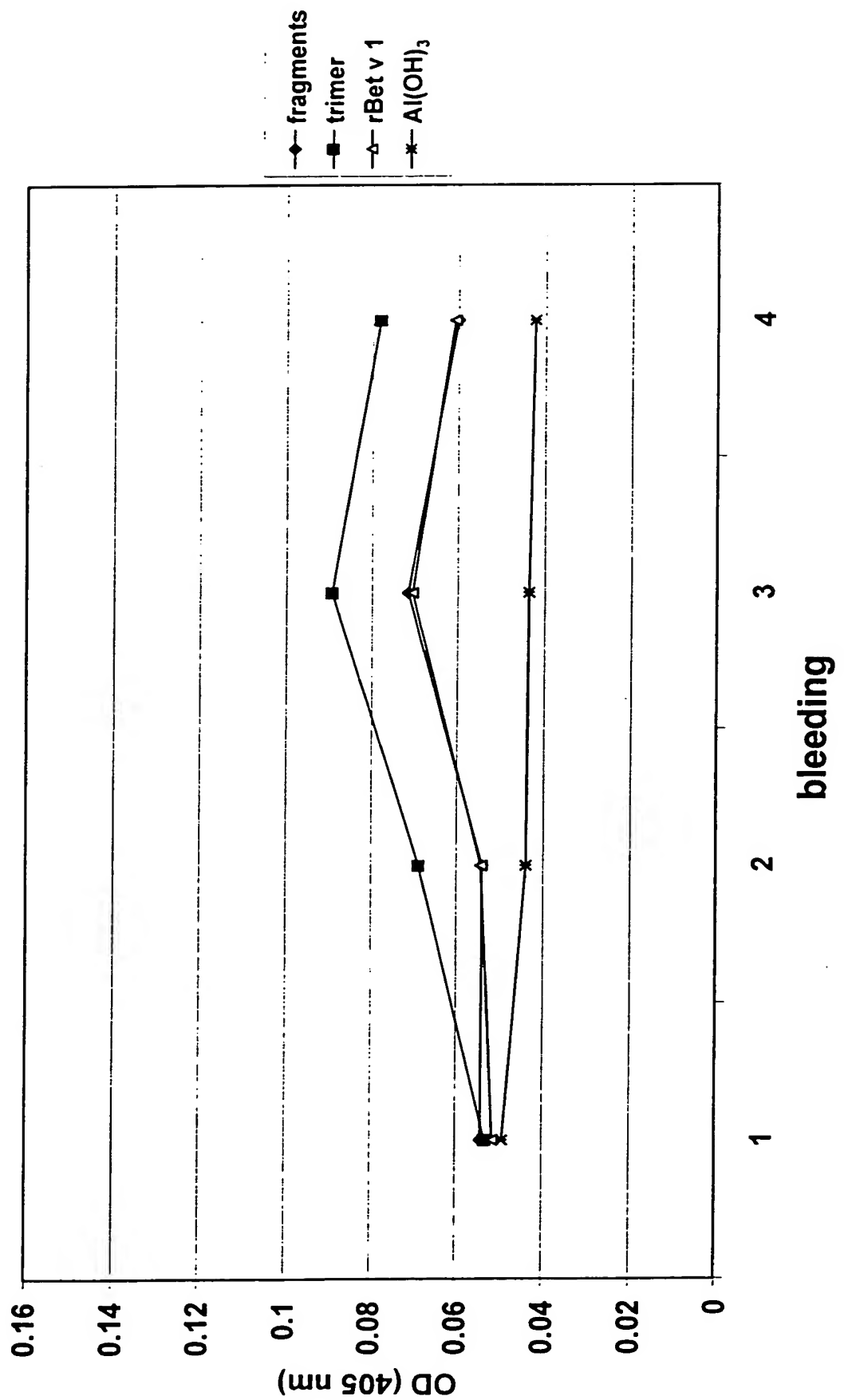


Figure 4

Induction of IgG₁ antibodies to fragment 1 and 2

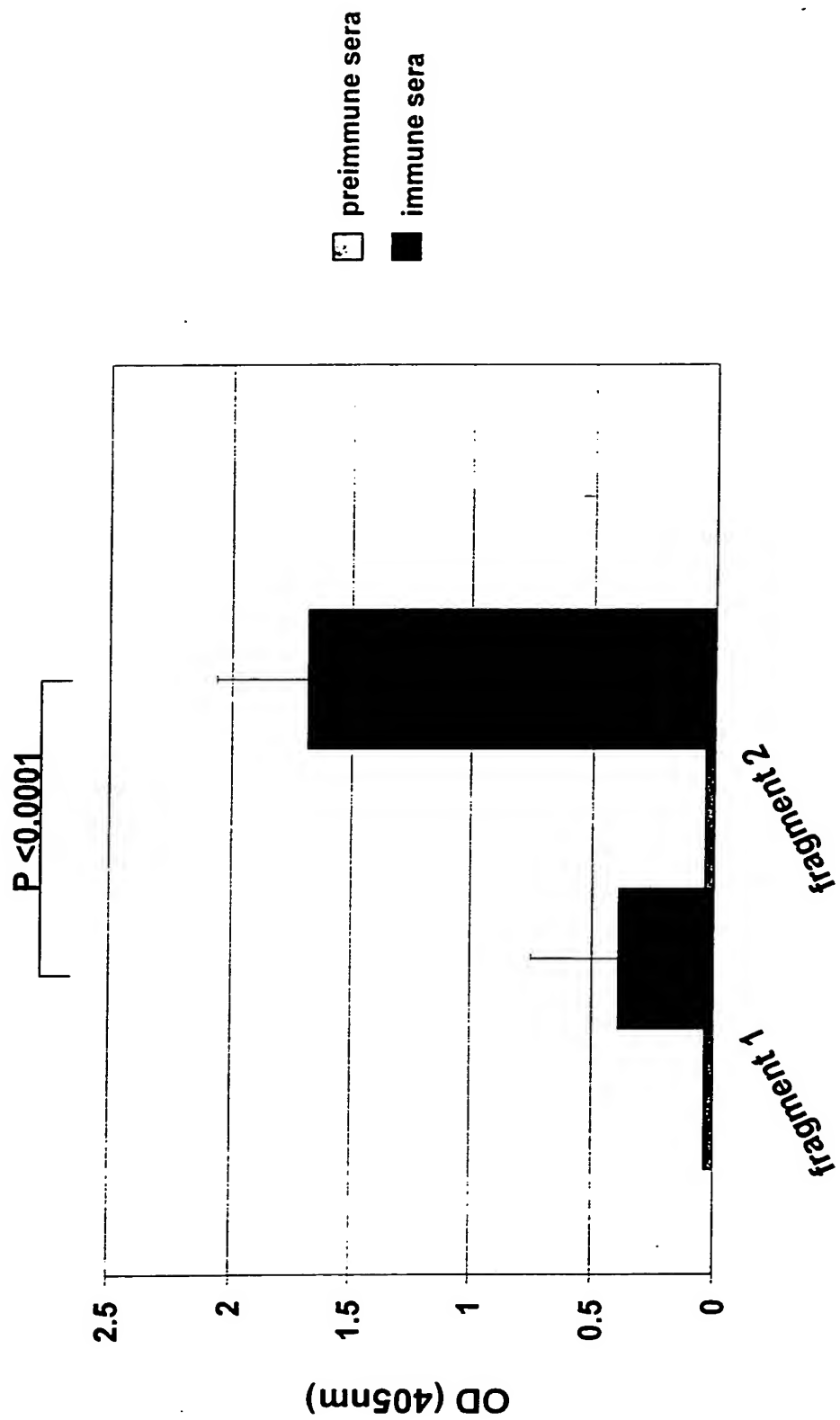
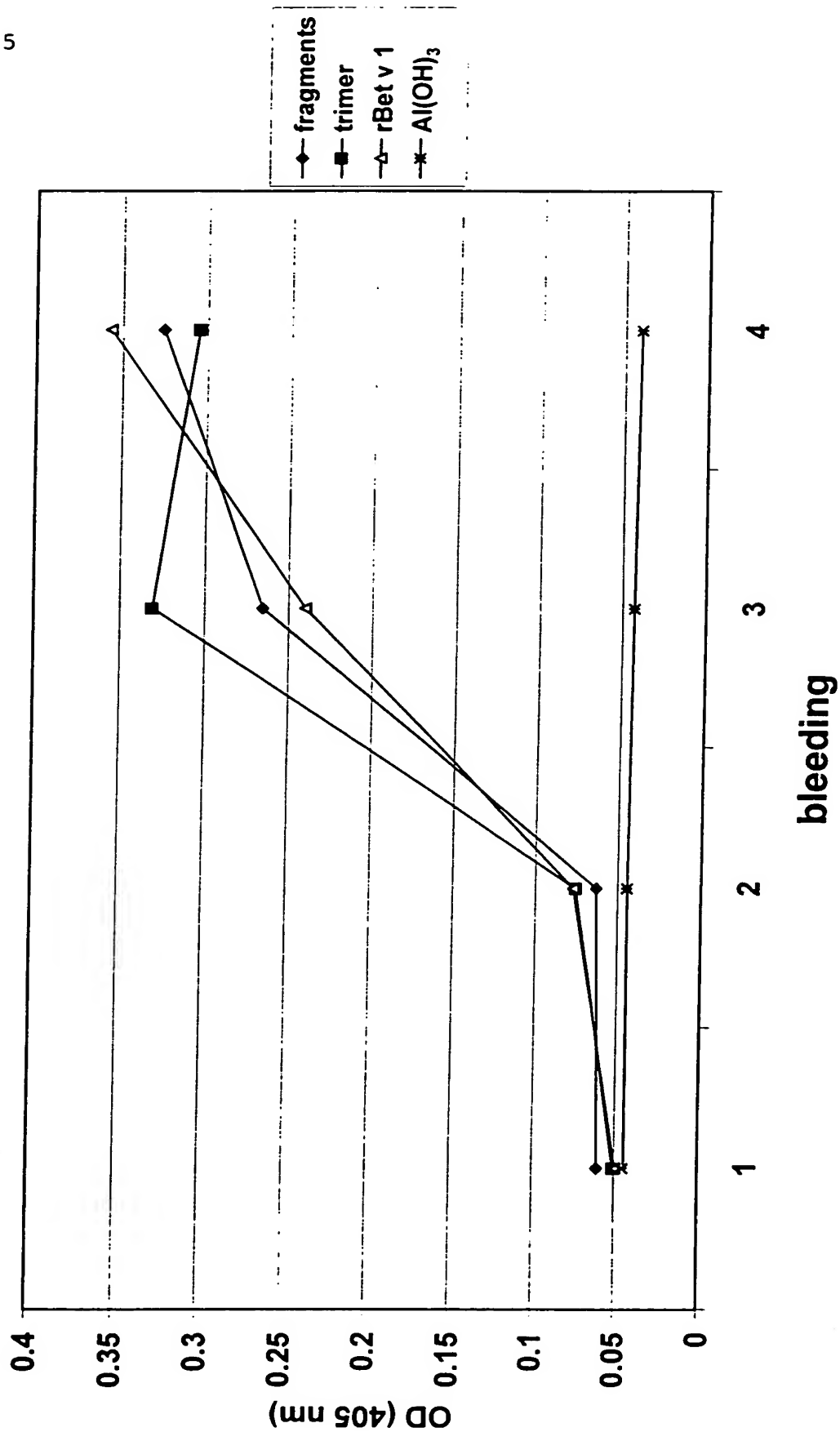


Figure 5

IgG₁-ELISA (high dose immunization)



Induction of IgE responses during immunization with increasing and high doses

Figure 6

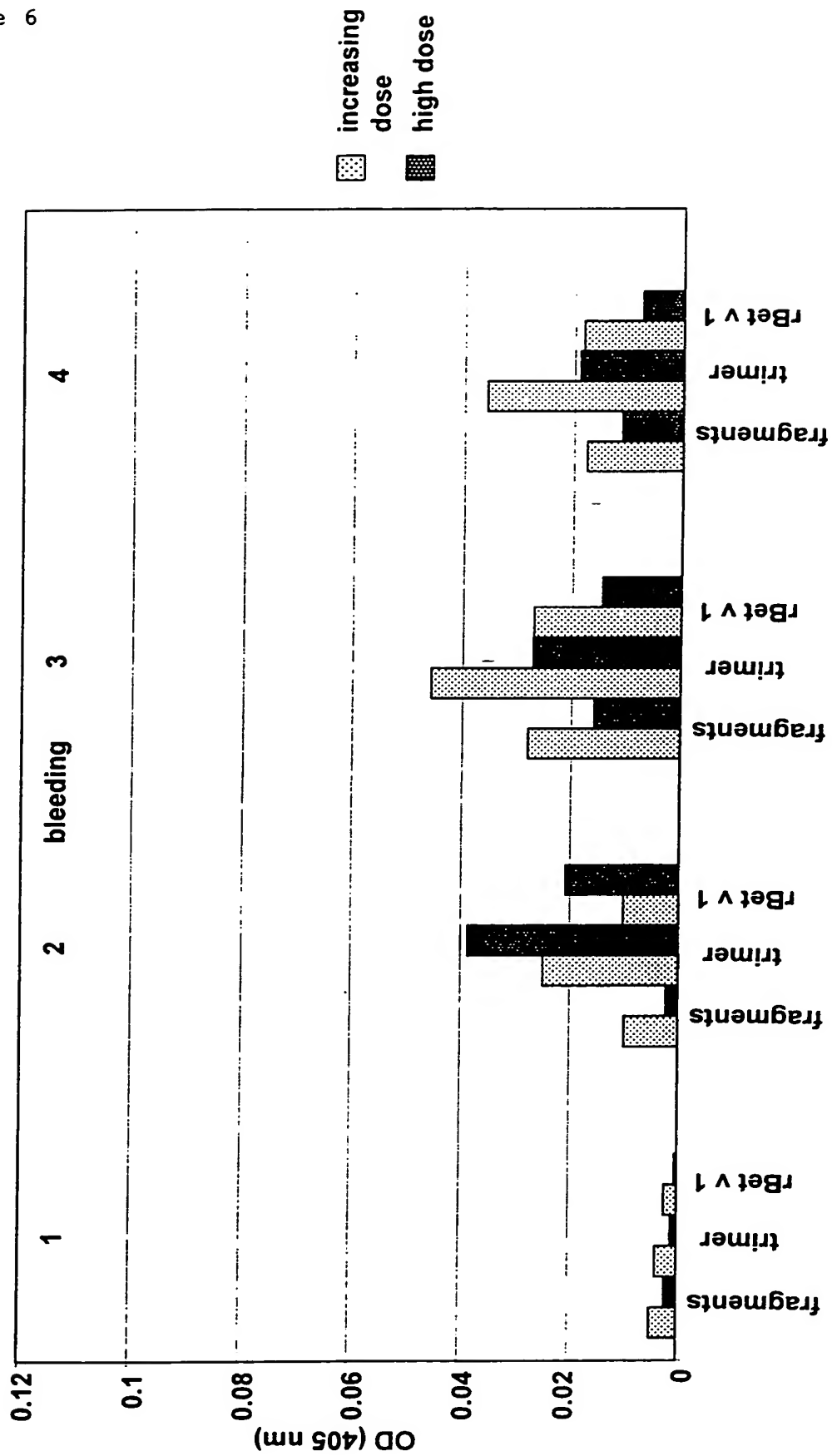


Figure 7a

Birch pollen extract

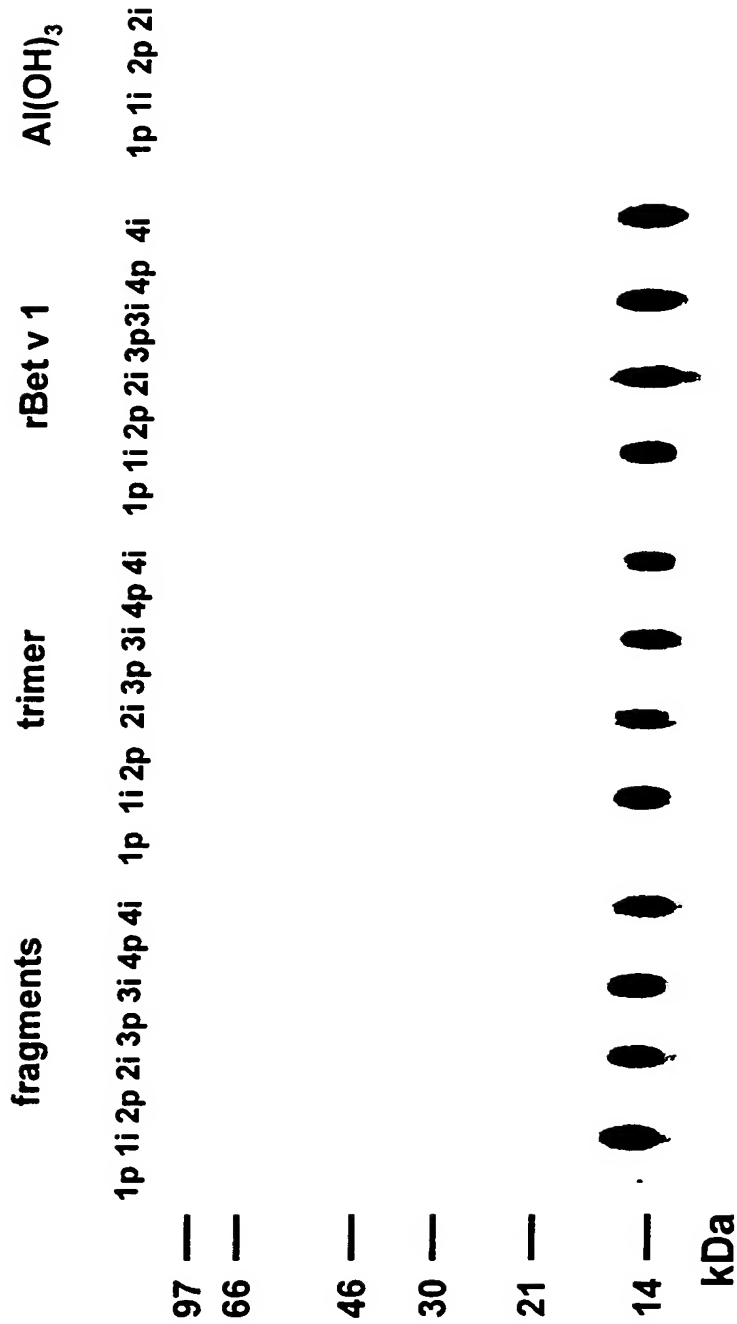


Figure 7b

Alder pollen extract

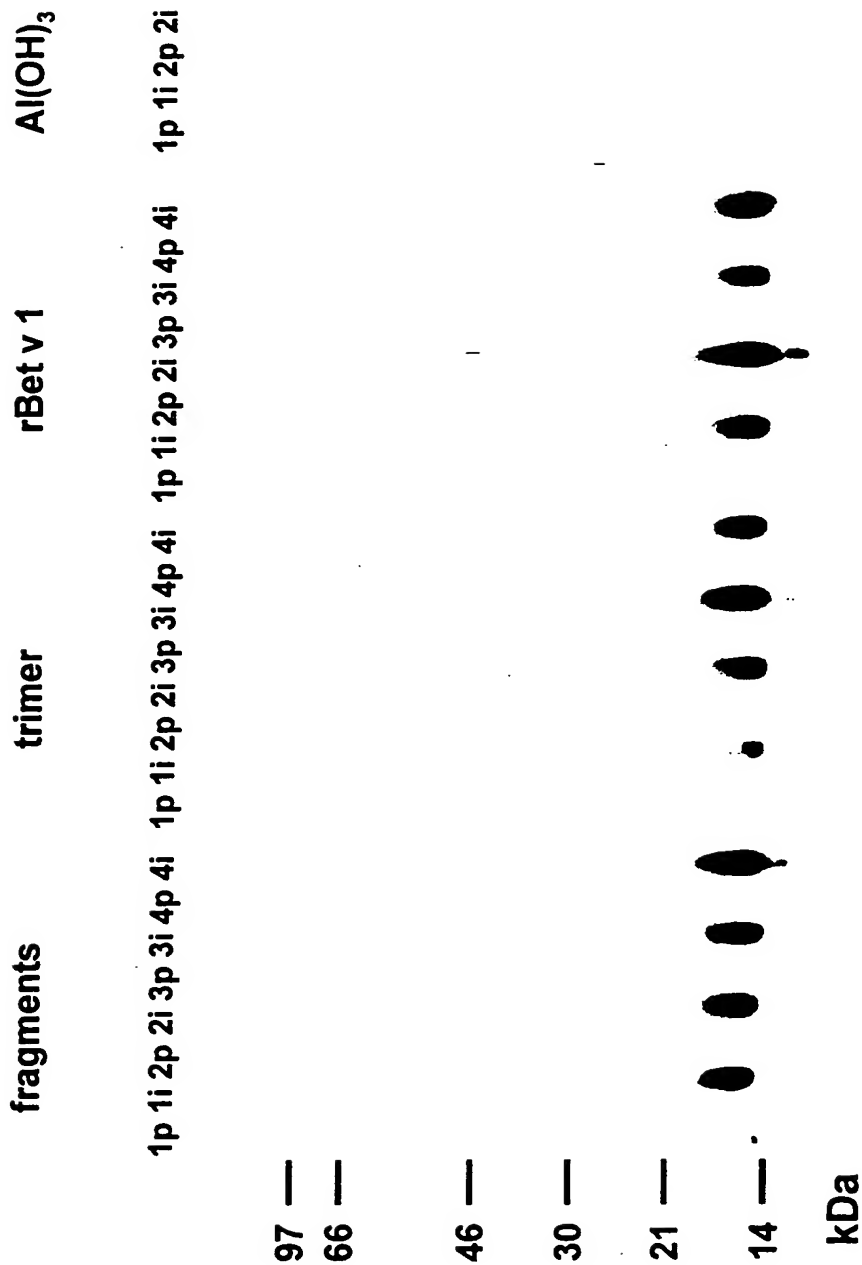


Figure 7c

Hazel pollen extract

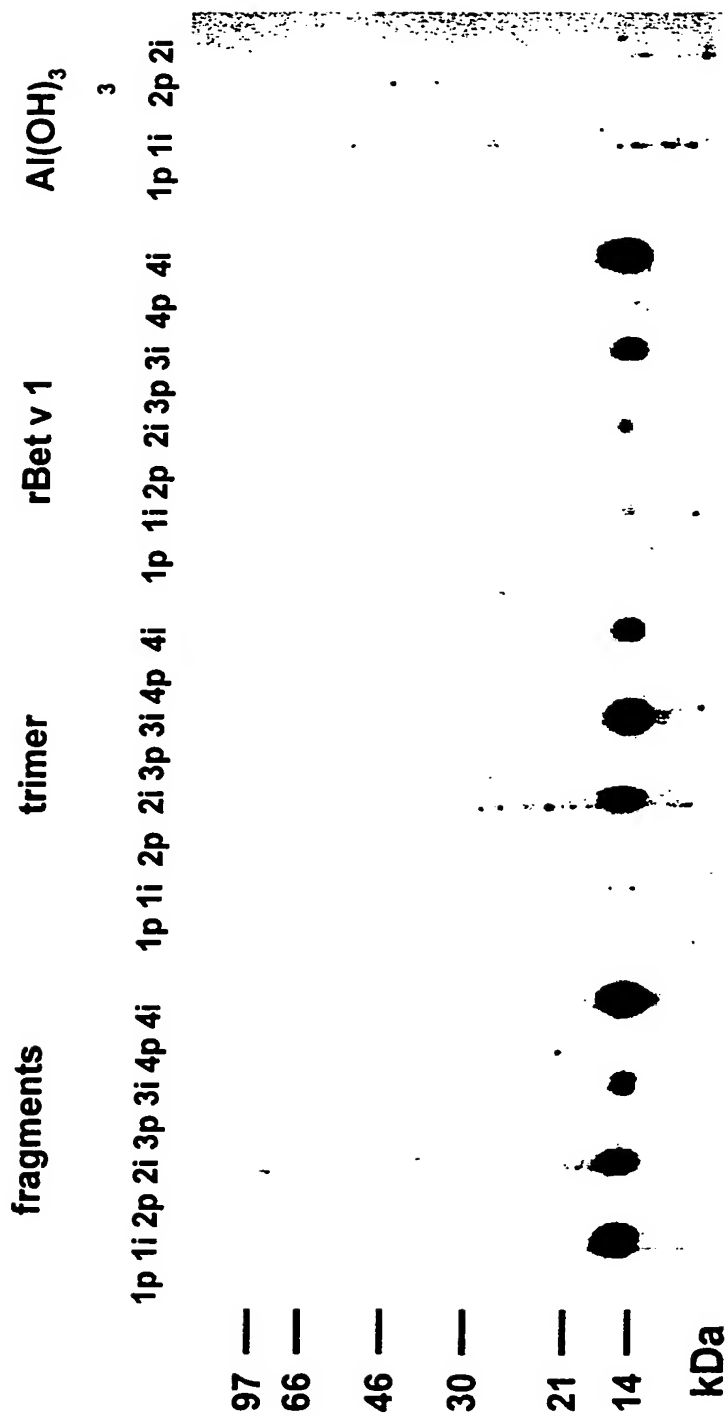


Table 1. Inhibition of patients IgE binding to rB t v 1 by murin antisera

Murine antiserum raised against:	Percentage inhibition of patients' (P1-P10) IgE binding to rBet v 1										mean inhibition
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	mean
increasing dose scheme:											
fragments (m)	75.05	89.38	79.97	81.32	76.31	86.66	65.66	65.27	60.52	80.60	76.07
fragments (f)	72.33	87.00	79.89	78.04	67.74	73.57	63.30	76.32	58.36	76.65	73.32
trimer (m)	39.54	35.83	36.80	35.25	28.93	33.04	31.62	35.95	14.65	21.59	31.32
trimer (f)	67.58	85.26	72.47	72.30	65.59	80.79	56.77	70.00	50.00	71.66	69.24
rBet v 1 (m)	63.24	75.10	59.30	44.66	61.45	69.31	42.56	58.01	42.65	62.41	57.87
rBet v 1 (f)	75.18	84.01	76.88	73.16	73.20	79.64	32.80	61.38	47.03	75.88	67.92
high dose scheme:											
fragments (m)	57.14	59.53	53.56	51.87	45.81	55.65	39.56	52.60	24.24	18.18	45.81
fragments (f)	49.93	56.81	49.70	51.89	40.34	51.99	31.01	43.41	29.90	42.58	44.76
trimer (m)	21.08	33.46	20.93	27.65	20.64	28.05	11.63	26.50	13.23	17.99	22.12
trimer (f)	38.44	46.66	35.79	41.86	24.85	42.22	14.63	31.84	20.53	31.02	32.78
rBet v 1 (m)	15.37	21.16	13.59	7.91	6.12	25.40	-10.28	15.24	23.30	38.07	15.59
rBet v 1 (f)	41.77	52.93	46.70	26.55	22.91	28.72	17.76	24.46	33.71	47.87	34.34